

Particle Model Hangman

In Grade 5 science, you investigate how the particle model of matter explains the behaviour of solids, liquids, and gases ([Outcome](#)). This game focuses on key vocabulary: the tiny pieces that make up all matter, how tightly packed they are, and the properties we measure to understand them ([Details](#)).

How to play

- There are 4 words to guess, one per round. Each blank stands for one letter.
- Guess one letter at a time. If it is in the word, write it in every blank where it belongs; if not, write it in the wrong-guess spaces.
- You have 6 wrong guesses per round. Use the clue when you are stuck. The answer key gives all 4 words.

Puzzles

Round 1 (8 letters)

K _ _ _ _ _ _ _

Clue: An SI unit used to measure mass, abbreviated kg

Wrong guesses: _ _ _ _ _ _ _

Round 2 (7 letters)

D _ _ _ _ _ _

Clue: A comparison of an object's mass to its volume

Wrong guesses: _ _ _ _ _ _ _

Round 3 (8 letters)

P _ _ _ _ _ _ _

Clue: A tiny piece of matter that all substances are made of

Wrong guesses: _ _ _ _ _ _ _

Round 4 (6 letters)

L _ _ _ _ _

Clue: A state of matter where particles slide past each other with space between them

Wrong guesses: _ _ _ _ _ _ _

Answer key

- Round 1: **KILOGRAM**
- Round 2: **DENSITY**
- Round 3: **PARTICLE**
- Round 4: **LIQUID**